

## ABSTRACT

The present invention relates to peptides comprising at least one sequence selected from the group consisting of oligopeptide sequences of at least about 10 but not more than about 50 continuous amino acid residues in the amino acid sequence of the C-terminal acidic tail (ATS), which can render fusion partner proteins environmental stress resistant by binding thereto while conserving their intrinsic properties. Also, it relates to fusion proteins formed by binding the above peptides to fusion partner proteins, nucleotide sequences encoding said fusion proteins, recombinant vectors comprising said nucleotide sequences, and cells transformed or transfected with said recombinant vectors. In addition, it relates to processes for producing the above environmental stress resistance conferring peptides or environmental stress resistant fusion proteins by chemical synthesis or genetic recombination.